

an energy delivery device including a proximal portion and a distal portion configured to be positioned at an interface between the fluid medium and the selected site and to deliver sufficient energy to the selected site [of a collagen containing tissue] to effect a contraction in at least a portion of the selected site [of a collagen containing tissue];

as
cont.
a sensor positioned at [a] the distal portion of the energy delivery device to detect a thermal energy from the selected site [of a collagen containing tissue and at least a portion of the adjacent at least partially] and from the fluid medium, the sensor producing a thermal feedback signal which represents a composite of the thermal energy detected from the selected site of a collagen containing tissue and [at least a portion of the adjacent at least partially] from the fluid medium; and

a feedback control system coupled to the sensor and configured to receive the thermal feedback signal and adjust a level of energy delivered to the selected site [of a collagen containing tissue].

A2
12. (Amended) The apparatus of claim 1, wherein the sensor is [an optical coated fiber] a fiber optic.

Subcs
A3
28. (Amended) An apparatus for contracting a collagen fibers in a selected site of a collagen containing tissue which is [at least partially is] adjacent to a fluid medium, comprising:

an energy delivery device including a proximal portion and a distal portion configured to be positioned at an interface between the fluid medium and the selected site and to provide a selected thermal distribution in the selected site [of a collagen containing tissue] and effect a controllable contraction of at least a portion of the [collagen fibers] selected site;

a sensor positioned at the distal portion of the energy delivery device; and

a feedback control system coupled to the sensor, wherein a position of the sensor, a geometry of the distal portion of the energy delivery device and the feedback control system provide a controllable energy delivery to the selected containing tissue site.

REMARK